

# INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/13123

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 B01D53/86 C08F6/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B01D C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category * | Citation of document, with indication, where appropriate, of the relevant passages             | Relevant to claim No. |
|------------|--|-----------------------|
| A          | US 4 372 758 A (BOBST ROBERT W ET AL)<br>8 February 1983 (1983-02-08)<br>figure 2              | 1-18                  |
| A          | CA 836 977 A (DUPONT CANADA LTD)<br>page 2, line 2 - line 28                                   | 1-18                  |
| A          | US 3 310 882 A (JAMES WRIDE WILLIAM ET AL)<br>28 March 1967 (1967-03-28)<br>claim 1; example 1 | 1-18                  |
| A          | US 5 376 742 A (KRAUSE STEPHEN J)<br>27 December 1994 (1994-12-27)<br>column 1; claim 1        | 1-18                  |

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

**\* Special categories of cited documents :**

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

5 April 2004

Date of mailing of the international search report

14/04/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Faria, C

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

EP 03/13123

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---|---------------------|----------------------------|---------------------|
| US 4372758                                | A | 08-02-1983          | AR 226742 A1               | 13-08-1982          |
|   |   |                     | AU 545086 B2               | 27-06-1985          |
|   |   |                     | AU 7369881 A               | 01-04-1982          |
|   |   |                     | BR 8105547 A               | 18-05-1982          |
|   |   |                     | CA 1171591 A1              | 24-07-1984          |
|   |   |                     | DD 201909 A5               | 17-08-1983          |
|   |   |                     | DE 3173767 D1              | 27-03-1986          |
|   |   |                     | DK 386981 A                | 03-03-1982          |
|   |   |                     | EP 0047077 A1              | 10-03-1982          |
|   |   |                     | FI 812638 A                | 03-03-1982          |
|   |   |                     | GR 74665 A1                | 29-06-1984          |
|   |   |                     | JP 57076006 A              | 12-05-1982          |
|   |   |                     | JP 62047441 B              | 08-10-1987          |
|   |   |                     | MX 158455 A                | 02-02-1989          |
|   |   |                     | NO 812917 A                | 03-03-1982          |
|   |   |                     | PL 232874 A1               | 02-08-1982          |
|   |   |                     | ZA 8105286 A               | 25-08-1982          |
| CA 836977                                 | A |                     | NONE                       |                     |
| US 3310882                                | A | 28-03-1967          | NONE                       |                     |
| US 5376742                                | A | 27-12-1994          | NONE                       |                     |